47E103co

0420 HICKS 0500 1ε132

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/887,272A

DATE: 03/26/2002 P.5
TIME: 14:20:44

Input Set : **D:\Sequence.txt**
Output Set: **N:\CRF3\03262002\I887272A.raw**

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 5        Quan, Sheng
 6        Chang, Hur-Song
 7        Zhu, Tong
 8        Whitham, Steve
 9        Goff, Steve
10        Glazebrook, Jane
11        Chen, Wenquiong
12        Katagiri, Fumiaki
13        Xie, Zhiyi
14        Tao, Yi
15        Zou, Guangzhou
16        Cooper, Bret
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19        PATHOGENS
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24 <141> CURRENT FILING DATE: 2001-06-23
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27 <151> PRIOR FILING DATE: 2000-06-23
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35 <150> PRIOR APPLICATION NUMBER: 60/264,353
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38 <150> PRIOR APPLICATION NUMBER: 60/273,879
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42 <151> PRIOR FILING DATE: 2001-06-22
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56 tcagaaaagg ccatcgaaca agatacagta tcatcaattg gggtaaagaa acctccagtg   180
57 gactctccag ccactactaa tgctgctagc ggtcgacttg tttatgtccg gagaagagtg   240
58 gaggttgaca catccaaagc cgctgctagc actactaatc gaatccgcc tcctactaag    300
59 gcaccacccc agataccttc atcacccgca caggcacagg cacaggaacc aaccccctacc   360
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RAW SEQUENCE LISTING   DATE: 03/26/2002
PATENT APPLICATION: US/09/887,272A   TIME: 14:20:44

Input Set : **D:\Sequence.txt**
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62 tcactttcct ccgccgagct tagcaagcat gctgttgact tggaaaagag gtctattcag    540
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74 aacaaacgat ccaagctatg gagcaatgga acaagtgtct ctaagtttag tctacttgaa    180
75 gagccaagtc ctttgggggtt gagtttaaaa aagagcccat cttttcaaga actgattgag    240
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77 ggtggtgtag aaccgttga gaagcttaaa gcttctaact ttcctgctac tattctcagg    360
78 attggtcaat gggagtataa gtcaaggtat gaaggtgatt tggtggcgaa atgttacttt    420
79 gcaaaacata aacttgtgtg ggaagtgttg gaacaaggtc ttaagagcaa gattgagatt    480
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82 catactttgt ggcaggcgac atcggatttt actgatggtc aagctagcat gaacaggcaa    660
83 cattttctgc agtgtccccc agggattatg aacaaacatt ttgagaagct tgttcaatgt    720
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87 agctcagtga tggatgctcg tgcaatcgaa ggagttggtg gttccattga ttcgaggaat    960
88 acaaacggtt ggagtcagat aaaaatgcct ggactacacc aatctatctc gatgaacgat   1020
89 ttccttacgt ttttgtcaga tcaagcttgt gaaaacaacc aagagtttga ggaaatgaaa   1080
90 cagttactgc taagtgacaa cactcaaacc gatccatctg atgagaagtc tgtcatgtca   1140
91 aaggtgaatt ctttctgcaa cctcttgcaa tctgctgcaa actcacagct caatatcgaa   1200
92 actgctgata ccgaaagagt tgttgggggtc gataacaata gacacatgcc cgaaggaggc   1260
93 aaaagagttg ttgaccctgc ttcaagcagc aagccactac aagggatgtc aaggaaagac   1320
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105 gtttccgaag gattaggtaa agatgcgttg atctcatggt tcagaggaga attcgctgcg    180
106 gcaaacgcga taatcgacgc gatgtgctcg catctaagga tagctgaaga agcggtatct    240
107 ggatcggagt acgaagctgt attcgcggcg atccatcgcc gtcgtctgaa ttggatccct    300
108 gttcttcaga tgcagaagta tcattccatc gctgaagtag cgatcgagct tcagaaagtg    360
109 gcggctaaga aagcggagga tctgaaacag aagaaaacag aggaggaggc ggaggaagat    420
110 ctgaaagagg tggtggcgac ggaggaagag gaagtgaaga aagagtgttt taacggcgag    480
111 aaagtaacgg agaatgacgt aaacggagat gtagaagacg ttgaagatga ttcaccaact    540
112 agtgatatca ctgattcagg ttctcatcag gatgttcacc aaactgttgt tgcggatact    600
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115 ggactaaagc tgtatgaaga gttacttaaa gaagatgaga tatctaaatt gttagacttt    780
116 gtggcagaac tacgagaagc tggcataaac gggaagcttg caggtgagag ctttatactg    840
117 ttcaacaaac agattaaagg gaacaagaga gagctgattc agcttggtgt ccccatcttt    900
118 ggtcatgtca aggcggatga aaactctaac gacaccaaca actctgttaa catcgagcca    960
119 attccaccac ttcttgagag tgtcattgat cactttgtca catggagact catcccagaa   1020
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121 ttcctcaaac cacctcactt agaacaacca atctccactc ttgtcctctc tgaatcaaca   1140
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125 gacacatatc ataaccattc acaacccaac agtcctcgca acgacggtgt catgacaatg   1380
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127 atgatgccaa aacttggagt cctacgtcct ccaatggtca tgatggcacc accaccggtt   1500
128 caaccaatga tattaccaag tcccaatgtg atgggaaccg gtggtggtac cggtgttttc   1560
129 ttaccatggg cctctgttaa tagctcaaga aaacatgtga agcatttgcc tccacgcgcg   1620
130 cagaagaagc gattacttcc gcttcctcct gctgcttctt cttctccagc tggaggatcc   1680
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141 aaagtaagga gagctttaga aggaatgaga ggaataagag atgtaaccat cgagccaaat    180
142 gctcagaaag tgacagtggt tgggtacgtt gaaccaaaca aagtggtggc tcgtatcatt    240
143 caccgaaccg gtaaaagagc agagctatat cctttcgttc cttacgacgt tgtggctcat    300
144 ccttacgcgt ctggtgttta cgataacaga gccccgactg ggtacgttag gaacaccgag    360
145 tatgatccac atgtgtcacg tctcgcacgt gctagctcca ctgaggttcg ttatactacg    420
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156 gatgcttcct tgaggagatt tctagatgct cgtaattggg atgtggaaaa agccaagaaa    180
157 atgatccaag agactcttaa atggagatca acttataaac ctcaagagat ccgttggaat    240
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163 tttctctaca atccaccaag actcttccaa gcagtctaca gggctgctaa gtacttcttg    600
164 gacccacgta cagctgaaaa ggtgaaattt gtgtacccaa aagacaaagc aagtgatgaa    660
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RAW SEQUENCE LISTING   DATE: 03/26/2002
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Input Set : **D:\Sequence.txt**
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178 atgagatccg tttgccgttc ttggcgtagc ttactctccg actcttcttt tatccaagaa    180
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216 aaatggagaa gaggtggtta cacgaaacgt atcgagaaat ggatggagat tcagagaaga    780
217 gagaggattt acgaactagg ctcgcttcca ccgtttcttc tagtttttctc cggtcacgtg    840
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RAW SEQUENCE LISTING   DATE: 03/26/2002
PATENT APPLICATION: US/09/887,272A   TIME: 14:20:44

Input Set : **D:\Sequence.txt**
Output Set: **N:\CRF3\03262002\I887272A.raw**

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270 ggacagaaac cgataacgtt agaggacgaa gagcttgttc cgtcagcgct catcaggttc     1320
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VERIFICATION SUMMARY   DATE: 03/26/2002
PATENT APPLICATION: **US/09/887,272A**   TIME: 14:20:45

Input Set : **D:\Sequence.txt**
Output Set: **N:\CRF3\03262002\I887272A.raw**

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L:9881 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (361) SEQUENCE:
L:10052 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (368) SEQUENCE:
L:10491 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (379) SEQUENCE:
L:10828 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (396) SEQUENCE:
L:10911 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (400) SEQUENCE:
L:11686 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (430) SEQUENCE:
L:11924 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (442) SEQUENCE:
L:11970 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (445) SEQUENCE:
L:12200 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (455) SEQUENCE:
L:12205 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (456) SEQUENCE:
L:12257 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (459) SEQUENCE:
L:12410 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (466) SEQUENCE:
L:12477 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (469) SEQUENCE:
L:12666 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (477) SEQUENCE:
L:12671 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (478) SEQUENCE:
L:13966 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (511) SEQUENCE:
L:14007 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (514) SEQUENCE:
L:14136 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (519) SEQUENCE:
L:14266 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (524) SEQUENCE:
L:14363 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (527) SEQUENCE:
L:14407 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (529) SEQUENCE:
L:14510 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (534) SEQUENCE:
L:14595 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (538) SEQUENCE:
L:14852 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (547) SEQUENCE:
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L:15097 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (555) SEQUENCE:
L:15160 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (558) SEQUENCE:
L:30567 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1955
L:30568 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1955
L:30570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1955
L:30596 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1957
L:30623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1959
L:30638 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1960
L:30656 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1961
L:30696 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1964
L:30718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1965
L:33868 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2003
L:33892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2004
L:33917 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2005
L:33942 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33951 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2006
L:33983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2007
L:33984 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2007
L:34007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2008
L:34047 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2010
L:34049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2010
L:34050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2010
L:34109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2013
L:34122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2014
L:34163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2015
L:34164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2015
L:34187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2016
L:34227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2018
L:34229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2018
L:34230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2018
L:34253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2019
L:34277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2020
L:34278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2020
L:34279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2020
L:34305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2021
L:34306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2021
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/887,272A**

DATE: 03/26/2002
TIME: 14:20:45

Input Set : **D:\Sequence.txt**
Output Set: **N:\CRF3\03262002\I887272A.raw**

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L:34319 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2022
L:34346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2023
L:34374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2024
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